

Product datasheet for **TP508332**

Usp3 (NM_144937) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse ubiquitin specific peptidase 3 (Usp3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR208332 protein sequence
Red=Cloning site **Green**=Tags(s)

MECPHLSSSVCIAPDSAKFPNGSPSSWCCSVCRSNKSPWVCLTCSSVHCGRYVNGHAKKHYEDAQIPLLN
HKRSEKQEKAQHTVCMDCSSYSTYCYRCDDFFVNDTKLGLVQKVREHLQNLensaftADRHRKRKLENS
SLNSKLLKVNSTTAICATGLRNLTGNTCFMNAILQSLSNIEQFCCYFKELPAVELRNGKTAGRRTYHTRS
QGDSNVSLVEEFRKTLCALWQGSQTAFSPESLFYVWVKIMPFRGYQQQDAHEFMRYLLDHLHLELQGGF
NGVSRSAIQENSTLSASNKCCINGASTVWTAIFGGILQNEVNCLICGTESRKFDPFDLSDIPSQFRS
KRSKNQENGPVCSLRDCLRSFTDLEELDETELYMCHKCKKQKSTKFFWIQKLPKALCLHLKRFHWTAYL
RNKVDTYVQFPLRGLDMKCYLLEPENSGPDSCLYDLAAVWVHHGSGVSGHYTAYAVHEGRWFHFNDSTV
TVTDEETVKGAKAYILFYVERQARAGAEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 58.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_659186](#)



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Locus ID: 235441

UniProt ID: [Q91W36](#)

RefSeq Size: 5594

Cytogenetics: 9 C

RefSeq ORF: 1563

Synonyms: AA409661; BC017156

Summary: The protein encoded by this gene is a chromatin-associated histone 2A and 2B deubiquitinating enzyme that negatively regulates the DNA damage response. Mice deficient for this enzyme have reduced hematopoietic stem cell reserves, demonstrating a requirement in hematopoietic stem cell homeostasis. In addition, knock down of protein levels results in spontaneous tumor development and shortened lifespan, consistent with a function in preserving chromosomal integrity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]